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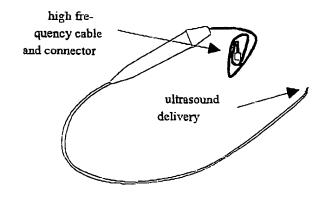
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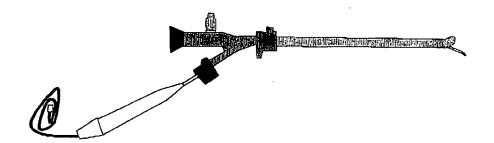
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FIG. 1



high-frequency ultrasound "fiber"

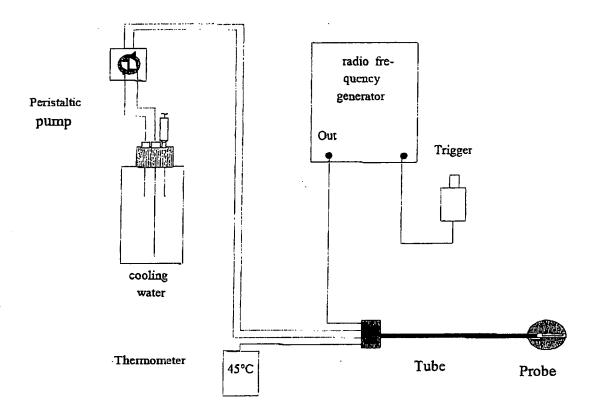
FIG. 2



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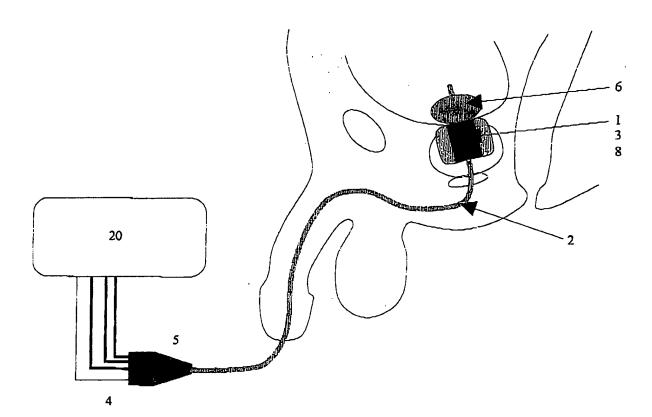
FIG. 3

Cooling circuit



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FIG. 4



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FIG. 5

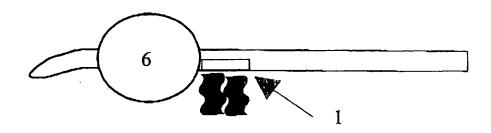


FIG. 6

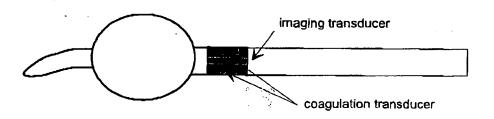
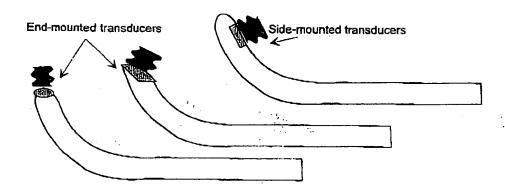


FIG. 7



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FIG. 8

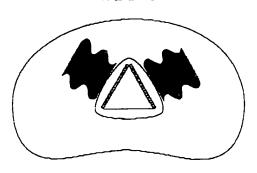
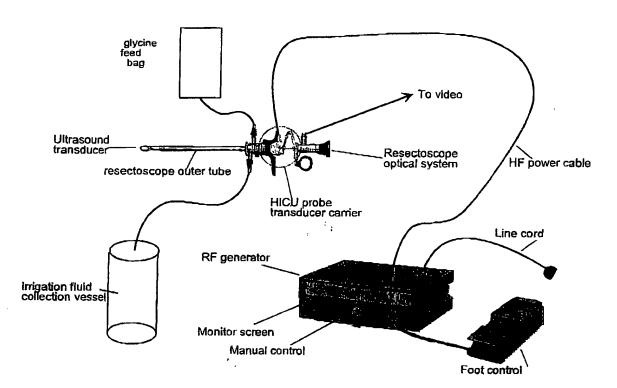
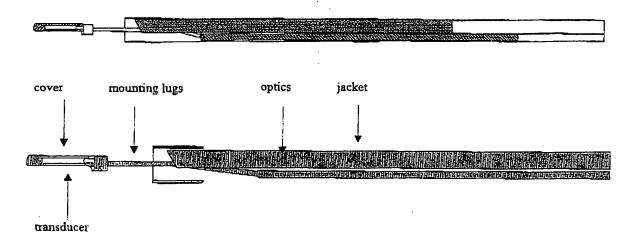


FIG. 9



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FIG. 10



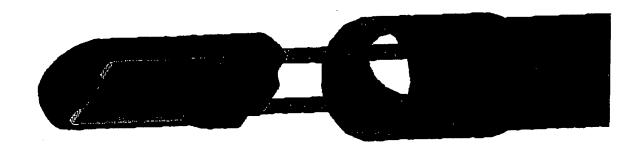
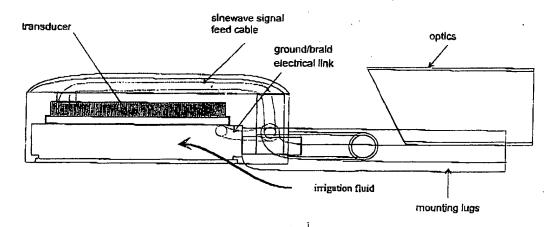


FIG. 11



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FIG. 12

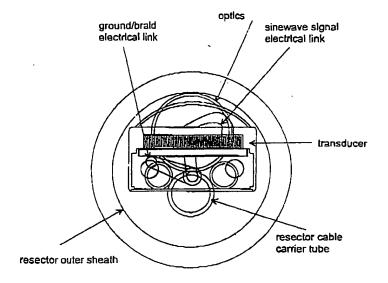
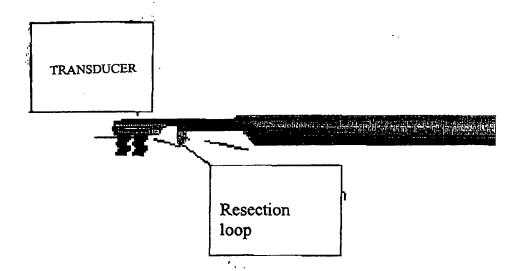


FIG. 13



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FIG. 14

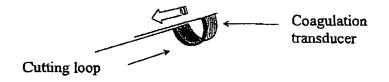
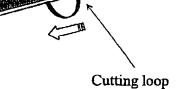


FIG. 15



FIG. 16

Coagulation transducer integral with optics



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FIG. 17

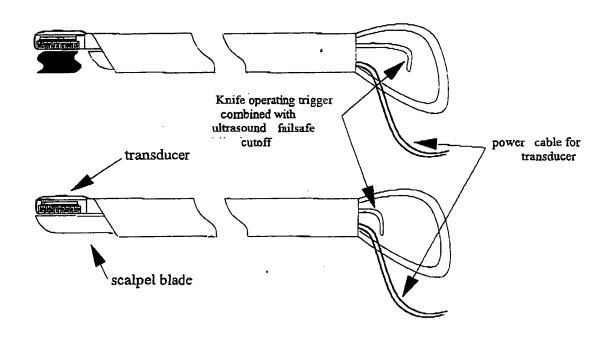
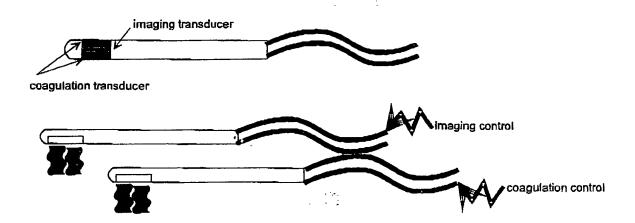


FIG. 18



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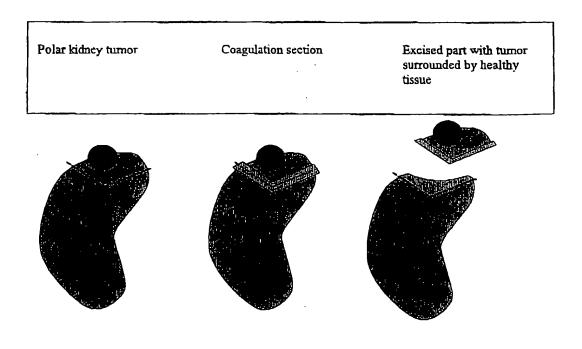


FIG. 19

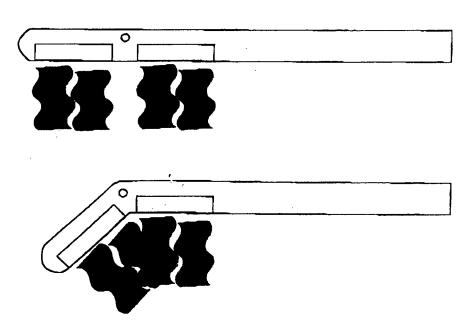
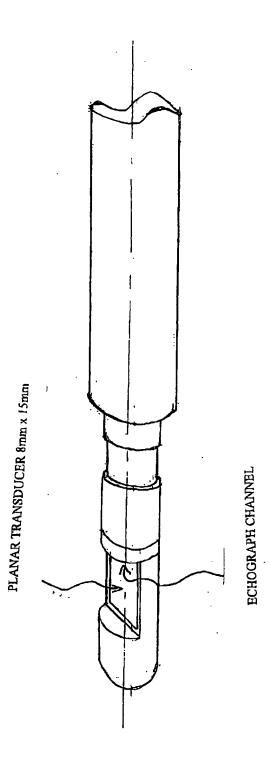


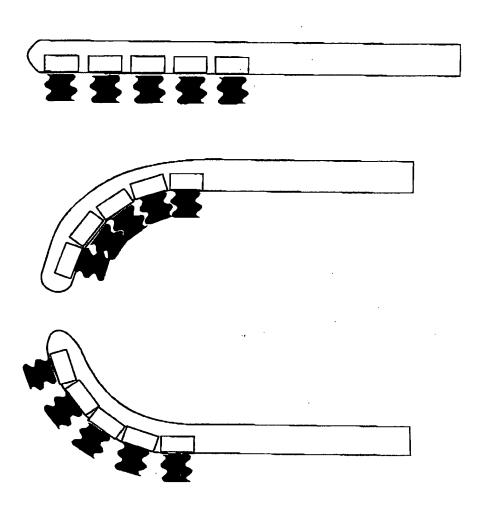
FIG. 21

FIG. 20



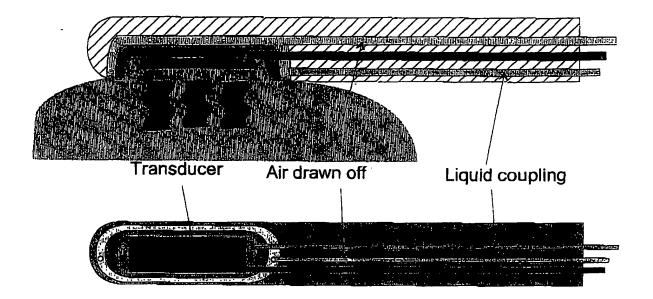
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FIG. 22



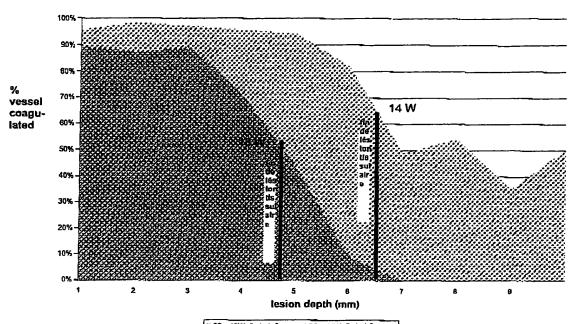
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FIG. 23



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% coagulation with respect to max, tissue density observed



% 20s, 18W, 5 ahol, 2 sam, -: 20s, 14W, 5 shot 5 sam.

FIG. 24

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% coagulation with respect to max, vessel density

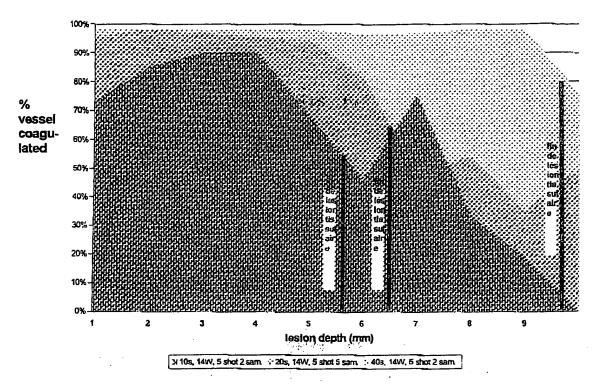


FIG. 25